SOLAR SLAYERS

NO. 9

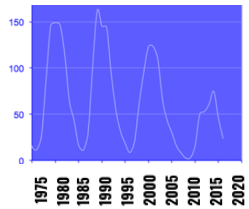
www.asmrstudio.com

GRAND SOLAR MINIMUM : 4+ YRS AND COUNTING

TYPICAL SUNSPOT COUNTS (MONTHLY)

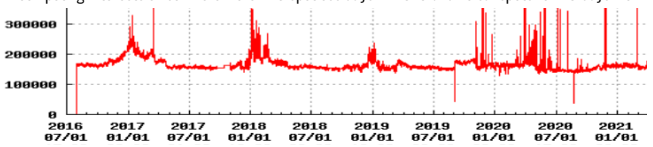
wwwbis.sidc.be/silso/dayssnplot 1975 to 2020

On average the Sun holds 50 to 100 sunspots per month depending on who is counting. During Covid, fires and floods, patterns change. If trends persist, we could enter a dark age last seen in the 16th c.



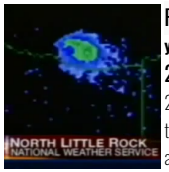
CORONA VIRUS CORRELATES TO COSMIC RAY SPIKES

From China to Sri Lanka to Moscow. SEPT 2019. Overwhelming evidence. Authors have declared that no competing interests exist. There were 273 spotless days in 2019 and no sunspots for 40 days from



November 14 to December 23, 2019. On December 31, 2019, a cluster of pneumonia of unknown etiology was reported in Wuhan City, Hubei Province of China. Although the outbreak of pneumonia was determined to be caused by the 2019 Novel Coronavirus (COVID-19), the true cause of its sudden emergence is unclear. **ybjnm.ihep.ac.cn/munm/ ncbi.nlm.nih.gov/pmc/articles/PMC7529058/**

THE GEODYNAMO IS BLINDING BIRDS MAGNETICALLY

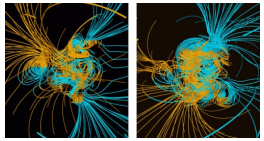


Radar Birds 2ND Fall @ 1730 ft

youtube.com/watch?v=yM-FoxxnGhc

2ND YEAR AT SAME LOCATION

2012 North Little Rock. Pole reversals twist magnet lines in nitrous air, trough argonne plas-magmatic rock conduits.

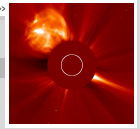


e-education.psu.edu

NOTE: THERE IS NO RESOURCE THAT CALCULATES FLARE FLIGHT PATH?

X CLASS SOLAR FLARES **USING** ACTIVE REGION (#0000), DATE YYYY MM/DD **AND** MAGNITUDE (X0.0)

spaceweatherlive.com/en/archive.html 260-380 MHz observed using the CALLISTO spectrometer >>>>



ACTIVE REGION 1429

researchgate.net

1997 **#8113** 11/27X2.6 **#8100** 11/04X2.1 11/06X9.4 1998 **#8120** 04/23X1.2 04/27X1.0 05/02X1.1 05/06X2.7 **#8307** 08/17X1.2 08/18X2.8X4.9 08/19X3.9 08/24X1.0 **#8384** 11/22X3.7 11/22X2.5 11/23X2.2 11/24X1.0 1999 **#8647** 08/02X1.4 **#8681** 08/28X1.1 **#8731** 10/14X1.8 **#8771** 11/27X1.4 2000 **#8858** 02/05X1.2 **#8882** 03/02X1.1 **#8910** 03/22X1.1 03/24X1.8 **#9026** 06/06X1.1X2.3 06/07X1.2 **#9033** 06/18X1.0 **#9077** 07/11X1.0 07/12X1.9 07/14X5.7 **#9169** 09/30X1.2 **#9236** 11/24X2.3X2X1.8 11/25X1.9 11/26X4.0 2001 **#9393** 03/29X1.7 04/02X1.3X1.1X20+ **#9415** 04/03X1.2 04/06X5.6 04/10X2.3 04/12X2.0 04/15X14.4 **#9511** 06/23X1.2 **#9591** 08/25X5.3 **#9632** 09/24X2.6 **#9661** 10/19X1.6X1.6 **#9672** 10/25X1.3 10/22X1.2 **#9684** 11/04X1.0 **#9704** 11/25X1.1 **#9733** 12/11X2.8 12/13X6.2 **#9767** 12/28X3.4

2002 **#9906** 04/21X1.5 **#9961** 05/20X2.1 *START SOLAR CYCLE 24?* **#0017** 07/03X1.5 **#0030** 07/15X3 07/18X1.8 **#0039** 07/20X3.3 07/23X4.8 08/03X1.0 **#0069** 08/21X1.0 08/24X3.1 **#0095** 08/30X1.5 **#0162** 10/31X1.2

2003 **#0314** 03/17X1.5 03/18X1.5 **#0375** 06/09X1.7 06/11X1.6 06/15X1.3 **#0386** 06/15X1.3 **#0365** 05/27X1.3 05/28X3.6 05/29X1.2 **#0484** 10/26X1.2 10/19X1.1 **#0486** 11/02X8.3 11/04X28+ 10/23X5.4X1.1 10/26X1.2 10/28X17.2+ 10/29X10 **#0488** 11/3X3.9X2.7 2004 **#0564** 02/06X1.1 **#0649** 07/15X1.8X1.6 07/16X1.3X3.6 07/16X1.3 07/17X1.0 **#0656** 08/13X1.0X1.8 **#0691** 10/30X1.0 **#0696** 11/07X2 11/10X2.5 2005 **#0715** 01/01X1.7 **#0720** 01/15X2.6X1.2 01/17X3.8 01/19X1.3 01/20X7.1 **#0792** 07/30X1.3 **#0786** 07/14X1.2 **#0808** 09/07X17+ 09/08X5.4 09/09X6.2X3.6X1.1 09/10X2.1X1.1 09/13X1.5X1.7 09/15X1.1 2006 **#0930** 12/05X9.0 12/06X6.5 12/13X3.4 12/14X1.5

2007 TO 2010 *NO X CLASS FLARES* 2011 **#1158** 02/15X2.2 **#1166** 03/09X1.5 **#1263** 08/09X6.9 **#1283** 09/06X2.1 09/07X1.8 **#1302** 09/22X1.4 09/24X1.9 **#1339** 11/03X1.9 2010 TO 2011 *NO X CLASS FLARES* 2012 **#1402** 01/27X1.7 **#1429** 03/05X1.1 03/07X5.4 **#1430** 03/07X1.3 **#1515** 07/06X1.1 **#1520** 07/12X1.4 **#1598** 19/23X1.8

2013 **#1748** 05/13X1.7X2.8 05/14X3.2 05/15X1.2 **#1875** 10/28X1.0 10/29X2.3 **#1882** 10/25X2.1X1.7 **#1890** 11/05X3.3 11/08X1.1 11/10X1.1 **#1893** 11/19X1.0 **#1944** 01/07X1.2 **#1990** 02/25X4.9 **#2017** 03/29X1 **#2035** 04/25X1.3 **#2087** 06/10X2.2X1.5 06/11X1.0 **#2158** 09/10X1.6 **#2192** 10/19X1.1 10/22X1.6 10/24X3.1 10/25X1.0 10/26X2.0 10/27X2.0 **#2205** 11/07X1.6 **#2242** 12/20X1.8 2015 **#2297** 03/11X2.2 **#2339** 05/05X2.7

2016 *NO X CLASS FLARES* 2017 **#2673** 09/06X9.3X2.2 09/07X1.3 09/10X8.2 2018 TO 2020 *NO X CLASS FLARES*

2021 **#2838** 07/03X1.5 Solar flares (full spectrum, all wavelengths) record to satellites. Active regions are tracked on magnetogram doppler (MDI). Historically it was best monitored in the H-alpha wavelength and occurs in the chromosphere, though occasionally white light flares are seen in the photosphere. **ngdc.noaa.gov/stp/solar/solarflares.html**

MDI MAGNETOGRAM DOPPLER 'ACTIVE REGIONS' 2015-2021

sohowww.nascom.nasa.gov SOLAR AND HELIOSPHERIC LABORATORY

MONTHS	ACTIVE REGION #	SUM	0 DAYS	MONTHS	ACTIVE REGION #	SUM	0 DAYS
15 JAN 1th to 31rst	#2246 -> #2278	32	-	15 JUL 1rst to 31rst	#2373 -> #2394	21	-
15 FEB 1rst to 28th	#2278 -> #2293	15		15 AUG 1rst to 31st	#2394 -> #2407	13	-
15 MAR 1rst to 31rst	#2290 -> #2316	26	-	15 SEP 1rst to 30rst	#2405 -> #2428	23	-
15 APR 1rst to 30rst	#2305 -> #2333	28	-	15 OCT 1rst to 31rst	#2427 -> #2444	17	-
15 MAY 1rst to 31rst	#2334 -> #2356	22	-	15 NOV 1rst to 31rst	#2443 -> #2460	17	-
15 JUN 1rst to 30rst	#2335 -> #2375	40	-	15 DEC 1rst to 31rst	#2460 -> #2473	13	-
227 ACTIVE REGIONS IN 2015	WINTER : **73**	SPRING : **90**	SUMMER : **57**	FALL : **47**	YEARLY MEAN* : **69.8**		

MONTHS	ACTIVE REGION #	SUM	0 DAYS	MONTHS	ACTIVE REGION #	SUM	0 DAYS
16 JAN 1th to 31rst	#2473 -> #2489	16		16 JUL 1rst to 31rst	#2560 -> #2570	10	
16 FEB 1rst to 28th	#2489 -> #2509	20		16 AUG 1rst to 31st	#2570 -> #2580	10	
16 MAR 1rst to 31rst	#2506 -> #2526	20		16 SEP 1rst to 30rst	#2580 -> #2597	17	
16 APR 1rst to 31rst	#2526 -> #2539	13		16 OCT 1rst to 31rst	#2598 -> #2604	6	
16 MAY 1rst to 31rst	#2533 -> #2549	16		16 NOV 1rst to 31rst	#2605 -> #2614	9	
16 JUN 1rst to 30rst	#2549 -> #2556	7		16 DEC 1rst to 31rst	#2615 -> #2622	7	
151 ACTIVE REGIONS IN 2016	WINTER : **56**	SPRING : **36**	SUMMER : **37**	FALL : **22**	YEARLY MEAN* : **39.8**		

MONTHS	ACTIVE REGION #	SUM	0 DAYS	MONTHS	ACTIVE REGION #	SUM	0 DAYS
17 JAN 1th to 31rst	#2622 -> #2631	9		17 JUL 1rst to 31rst	#2664 -> #2669	5	
17 FEB 1rst to 28th	#2629 -> #2641	12		17 AUG 1rst to 31st	#2669 -> #2674	5	
17 MAR 1rst to 31rst	#2638 -> #2645	7		17 SEP 1rst to 30rst	#2672 -> #2683	11	
17 APR 1rst to 31rst	#2644 -> #2651	7		17 OCT 1rst to 31rst	#2681 -> #2685	4	
17 MAY 1rst to 31rst	#2653 -> #2659	6		17 NOV 1rst to 31rst	#2686 -> #2689	3	
17 JUN 1rst to 30rst	#2661 -> #2664	3		17 DEC 1rst to 31rst	#2690 -> #2692	2	
74 ACTIVE REGIONS IN 2017	WINTER : **28**	SPRING : **16**	SUMMER : **21**	FALL : **9**	YEARLY MEAN* : **21.7**		

MONTHS	ACTIVE REGION #	SUM		MONTHS	ACTIVE REGION #	SUM	
18 JAN 1rst to 31rst	#2693 -> #2696	3	MIN	18 JUL 1rst to 31rst	#2713 -> #2716	3	
18 FEB 1rst to 28th	NO DATA	4**	MIN	18 AUG 1rst to 31st	#2717 -> #2720	3	
18 MAR 1rst to 31rst	NO DATA	4**	MIN	18 SEP 1rst to 30rst	#2721 -> #2721	1	
18 APR 1rst to 31rst	NO DATA	4**	MIN	18 OCT 1rst to 31rst	#2723 -> #2724	2	
18 MAY 1rst to 31rst	NO DATA	4**	MIN	18 NOV 1rst to 31rst	#2726 -> #2728	3	
18 JUN 1rst to 30rst	#2712 -> #2715	3	MIN	18 DEC 1rst to 31rst	#2729 -> #2731	3	
37 ACTIVE REGIONS IN 2018	WINTER : **11**	SPRING : **11**	SUMMER : **7**	FALL : **8**	YEARLY MEAN* : **7.0**		

MONTHS	ACTIVE REGION #	SUM		MONTHS	ACTIVE REGION #	SUM	
19 JAN 1rst to 31rst	#2693 -> #2733	40	MIN	19 JUL 1rst to 31rst	#2744	1	MIN
19 FEB 1rst to 28th	#2733 -> #2733	1	MIN	19 AUG 1rst to 31st	#2745	1	MIN
19 MAR 1rst to 31rst	#2734 -> #2736	3	MIN	19 SEP 1rst to 30rst	#2748	1	MIN
19 APR 1rst to 31rst	#2737 -> #2739	3	MIN	19 OCT 1rst to 31rst	DOPPLER SILENCE		MIN
19 MAY 1rst to 31rst	#2740 -> #2741	2	MIN	19 NOV 1rst to 31rst	DOPPLER SILENCE		MIN
19 JUN 1rst to 30rst	#2742 -> #2743	2	MIN	19 DEC 1rst to 31rst	#2753 -> #2754	2	MIN
56 ACTIVE REGIONS IN 2019	WINTER : **44**	SPRING : **7**	SUMMER : **3**	FALL : **2**	YEARLY MEAN* : **3.6**		

MONTHS	ACTIVE REGION #	SUM		MONTHS	ACTIVE REGION #	SUM	
20 JAN 1rst to 31rst	#2753 -> #2757	5	MIN	20 JUL 1rst to 31rst	**#2767** -> #2768	2	MIN
20 FEB 1rst to 28th	#2757	1	MIN	20 AUG 1rst to 31st	**#2767** -> #2772	6	MIN
20 MAR 1rst to 31rst	#2758	1	MIN	20 SEP 1rst to 30rst	#2773	1	MIN
20 APR 1rst to 31rst	DOPPLER SILENCE		MIN	20 OCT 1rst to 31rst	#2773 -> #2779	7	MIN
20 MAY 1rst to 31rst	#2760	1	MIN	20 NOV 1rst to 31rst	#2779 -> #2782	4	MIN
20 JUN 1rst to 30rst	DOPPLER SILENCE		MIN	20 DEC 1rst to 31rst	#2790 -> #2793	4	MIN
32 ACTIVE REGIONS IN 2020	WINTER : **7**	SPRING : **1**	SUMMER : **9**	FALL : **15**	YEARLY MEAN* : **8.8**		

MONTHS	ACTIVE REGION #	SUM		MONTHS	ACTIVE REGION #	SUM	
21 JAN 1rst to 31rst	DOPPLER SILENCE		MIN	21 JUL 1rst to 31rst	#2835 -> #2847	13	
21 FEB 1rst to 28th	DOPPLER SILENCE		MIN	21 AUG 1rst to 31st	#2847 -> #2861	14	
21 MAR 1rst to 31rst	#2806 -> #2812	6	MIN	21 SEP 1rst to 30rst	#2860 -> #2876?		
21 APR 1rst to 31rst	#2812 -> #2821	9	MIN	21 OCT 1rst to 31rst			
21 MAY 1rst to 31rst	#2818 -> #2828	10	MIN	21 NOV 1rst to 31rst			
21 JUN 1rst to 30rst	#2835 -> #2827	8	MIN	21 DEC 1rst to 31rst			
?? ACTIVE REGIONS IN 2021	WINTER : **6**	SPRING : **27**	SUMMER : **27?**	FALL : **?**	YEARLY MEAN* : **??**		

COUNTS MAYBE +/- 1 IN SOME COLUMNS, SEASONS ARE SCRAMBLED : ESTIMATE TRAJECTORY UNKNOWN CIRCUMFERENTIAL TRACKING AN NUMBERING, BACKSIDE COUNTING IN QUESTION

DOPPLER SILENCE IS HYSTERICAL CENTER SIGNAL, NEITHER TOO QUIET, NOR TOO LOUD. IN OPPOSITION TO HETERODYNES, HOMODYNES.

WORLDWIDE SARS CO VARIANT 19 (CORONAVIRUS) CASES (NO FATALITY) GOOGLE.CA JAN19 - JUL21

ELEVEN YEAR SUNSPOT CYCLE *YEARLY MEANS (SPOTS ARE VISIBLE LIGHT SPECTRUM)

wwwbis.sidc.be/silso/datafiles **(FLARES ARE MAGNETIC. THESE CHARTS MAY COUNT VISIBLE NAKED EYE SPOTS ONLY)**

1700.5	8.3	1711.5	0.0	1722.5	36.7	1733.5	8.3	1744.5	8.3	1755.5	16.0	1766.5	19.0
1701.5	18.3	1712.5	0.0	1723.5	18.3	1734.5	26.7	1745.5	18.3	1756.5	17.0	1767.5	63.0
1702.5	26.7	1713.5	3.3	1724.5	35.0	1735.5	56.7	1746.5	36.7	1757.5	54.0	1768.5	116.3
1703.5	38.3	1714.5	18.3	1725.5	66.7	1736.5	116.7	1747.5	66.7	1758.5	79.3	1769.5	176.8
1704.5	60.0	1715.5	45.0	1726.5	130.0	1737.5	135.0	1748.5	100.0	1759.5	90.0	1770.5	168.0
1705.5	96.7	1716.5	78.3	1727.5	203.3	1738.5	185.0	1749.5	134.8	1760.5	104.8	1771.5	136.0
1706.5	48.3	1717.5	105.0	1728.5	171.7	1739.5	168.3	1750.5	139.0	1761.5	143.2	1772.5	110.8
1707.5	33.3	1718.5	100.0	1729.5	121.7	1740.5	121.7	1751.5	79.5	1762.5	102.0	1773.5	58.0
1708.5	16.7	1719.5	65.0	1730.5	78.3	1741.5	66.7	1752.5	79.7	1763.5	75.2	1774.5	51.0
1709.5	13.3	1720.5	46.7	1731.5	58.3	1742.5	33.3	1753.5	51.2	1764.5	60.7	1775.5	11.7
1710.5	5.0	1721.5	43.3	1732.5	18.3	1743.5	26.7	1754.5	20.3	1765.5	34.8	1776.5	33.0
	364.9		504.9		938.3		945.1		734.5		777		943.6
1777.5	154.2	1788.5	218.2	1799.5	11.3	1810.5	0.0	1821.5	9.2	1832.5	44.3	1843.5	18.1
1778.5	257.3	1789.5	196.8	1800.5	24.2	1811.5	2.3	1822.5	6.3	1833.5	13.4	1844.5	25.1
1779.5	209.8	1790.5	149.8	1801.5	56.7	1812.5	8.3	1823.5	2.2	1834.5	19.5	1845.5	65.8
1780.5	141.3	1791.5	111.0	1802.5	75.0	1813.5	20.3	1824.5	11.4	1835.5	85.8	1846.5	102.7
1781.5	113.5	1792.5	100.0	1803.5	71.8	1814.5	23.2	1825.5	28.2	1836.5	192.7	1847.5	166.3
1782.5	64.2	1793.5	78.2	1804.5	79.2	1815.5	59.0	1826.5	59.9	1837.5	227.3	1848.5	208.3
1783.5	38.0	1794.5	68.3	1805.5	70.3	1816.5	76.3	1827.5	83.0	1838.5	168.7	1849.5	182.5
1784.5	17.0	1795.5	35.5	1806.5	46.8	1817.5	68.3	1828.5	108.5	1839.5	143.0	1850.5	126.3
1785.5	40.2	1796.5	26.7	1807.5	16.8	1818.5	52.9	1829.5	115.2	1840.5	105.5	1851.5	122.0
1786.5	138.2	1797.5	10.7	1808.5	13.5	1819.5	38.5	1830.5	117.4	1841.5	63.3	1852.5	102.7
1787.5	220.0	1798.5	6.8	1809.5	4.2	1820.5	24.2	1831.5	80.8	1842.5	40.3	1853.5	74.1
	1393.7		1002		469.8		373.3		622.1		1103.8		1193.9
1854.5	39.0	1865.5	57.8	1876.5	18.9	1887.5	21.8	1898.5	44.4	1909.5	73.2	1920.5	62.7
1855.5	12.7	1866.5	30.7	1877.5	20.7	1888.5	11.2	1899.5	20.2	1910.5	30.9	1921.5	43.5
1856.5	8.2	1867.5	13.9	1878.5	5.7	1889.5	10.4	1900.5	15.7	1911.5	9.5	1922.5	23.7
1857.5	43.4	1868.5	62.8	1879.5	10.0	1890.5	11.8	1901.5	4.6	1912.5	6.0	1923.5	9.7
1858.5	104.4	1869.5	123.6	1880.5	53.7	1891.5	59.5	1902.5	8.5	1913.5	2.4	1924.5	27.9
1859.5	178.3	1870.5	232.0	1881.5	90.5	1892.5	121.7	1903.5	40.8	1914.5	16.1	1925.5	74.0
1860.5	182.2	1871.5	185.3	1882.5	99.0	1893.5	142.0	1904.5	70.1	1915.5	79.0	1926.5	106.5
1861.5	146.6	1872.5	169.2	1883.5	106.1	1894.5	130.0	1905.5	105.5	1916.5	95.0	1927.5	114.7
1862.5	112.1	1873.5	110.1	1884.5	105.8	1895.5	106.6	1906.5	90.1	1917.5	173.6	1928.5	129.7
1863.5	83.5	1874.5	74.5	1885.5	86.3	1896.5	69.4	1907.5	102.8	1918.5	134.6	1929.5	108.2
1864.5	89.2	1875.5	28.3	1886.5	42.4	1897.5	43.8	1908.5	80.9	1919.5	105.7	1930.5	59.4
	999.6		1088.2		639.1		728.2		583.6		726		760
1931.5	35.1	1942.5	50.8	1953.5	20.1	1964.5	15.0	1975.5	22.5	1986.5	14.8	1997.5	28.9
1932.5	18.6	1943.5	27.1	1954.5	6.6	1965.5	22.0	1976.5	18.4	1987.5	33.9	1998.5	88.3
1933.5	9.2	1944.5	16.1	1955.5	54.2	1966.5	66.8	1977.5	39.3	1988.5	123.0	1999.5	136.3
1934.5	14.6	1945.5	55.3	1956.5	200.7	1967.5	132.9	1978.5	131.0	1989.5	211.1	2000.5	173.9
1935.5	60.2	1946.5	154.3	1957.5	269.3	1968.5	150.0	1979.5	220.1	1990.5	191.8	2001.5	170.4
1936.5	132.8	1947.5	214.7	1958.5	261.7	1969.5	149.4	1980.5	218.9	1991.5	203.3	2002.5	163.6
1937.5	190.6	1948.5	193.0	1959.5	225.1	1970.5	148.0	1981.5	198.9	1992.5	133.0	2003.5	99.3
1938.5	182.6	1949.5	190.7	1960.5	159.0	1971.5	94.4	1982.5	162.4	1993.5	76.1	2004.5	65.3
1939.5	148.0	1950.5	118.9	1961.5	76.4	1972.5	97.6	1983.5	91.0	1994.5	44.9	2005.5	45.8
1940.5	113.0	1951.5	98.3	1962.5	53.4	1973.5	54.1	1984.5	60.5	1995.5	25.1	2006.5	24.7
1941.5	79.2	1952.5	45.0	1963.5	39.9	1974.5	49.2	1985.5	20.6	1996.5	11.6	2007.5	12.6
	983.9		1164.2		1366.4		979.4		1183.6		1068.6		1009.1
2008.5	4.2												
2009.5	4.8												
2010.5	24.9												
2011.5	80.8												
2012.5	84.5												
2013.5	94.0												
2014.5	113.3												
2015.5	69.8												
2016.5	39.8												
2017.5	21.7												
2018.5	7.0												
544.8													
2019.5	3.6												
2020.5	8.8												
2021.5													
????													

THE ELEVEN YEAR CYCLE MIGHT BE A 22 YEAR CYCLE, AS SUNSPOT COUNTS LOWER THAN POTENTIAL TEND TO GROUP INTO DECADES. PERHAPS THE MAGNETIC CYCLE TAKES AT LEAST 20 YEARS TO "TURN OVER"? EXPECT ONE MORE DECADE WITH LOW SUNSPOT COUNTS, SHOULD YOU BELIEVE IN STATISTICAL AVERAGES. FINGERS CROSSED.

1710-14 IS A FOUR YEAR EXTREME SOLAR MINIMUM

1711 - February – French settlers at *Fort Louis de la Mobile* celebrate Mardi Gras in Mobile (Alabama), by parading a large papier-mache ox head on a cart (the first Mardi Gras parade in America). February 3 – A total lunar eclipse occurs, at 12:31 UT.

1809-12 IS A FOUR YEAR EXTREME SOLAR MINIMUM

1821-23 IS A THREE YEAR EXTREME SOLAR MINIMUM

1900-02 IS A THREE YEAR SOLAR MINIMUM. (ALMOST EXTREME, WARDENCLYFFE TOWER?)

1856-58 IS A THREE YEAR EXTREME SOLAR MINIMUM

2007-09 IS A THREE YEAR SOLAR MINIMUM (ALMOST EXTREME)

2018-20 IS A THREE YEAR + COUNTING SOLAR MINIMUM

OUT OF 29, 6 EXTREME SOLAR MINIMUMS IN 320 YEARS.

CURLY MAGNETICS

SEARCH CYCLOPS PUPPY

The Magnetic Aura, Kirlean, Curly, Coronal Auras intrinsic rinse male and female, shaping mammalian womb. Blood plasma conduit to solar magnetics shapes skin, mitigates heavy metal damage, cleans biologically, and provides proper carbon waste removal. When charged, aerosols are sucked periodically into organisms.

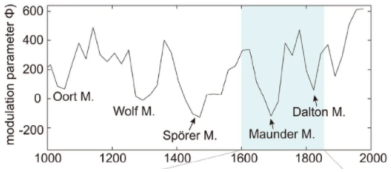
GRADUAL ONSET OF THE MAUNDER MINIMUM

Sunspot counting chart measuring "activity" in modulation Φ (Phi)

nature.com/articles/s41598-021-84830-5

Calendar Years (Christian Era)

The absence to sunspots, does it correlate with intellectual disability and a drop in "non institutional" literature?

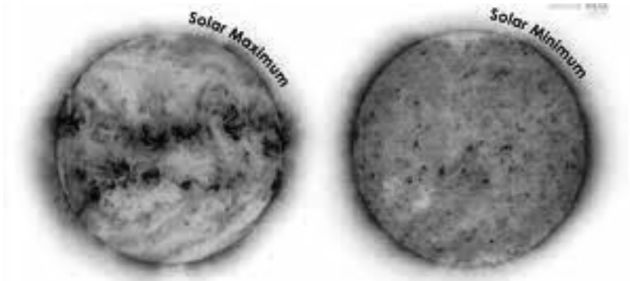


Paleo Stratigraphy Yrs BP (Before Present)

Paleo Tide and Stratigraphy struggle with circular logic problems. It is inherently a challenged science.

Each minimum corresponds to a cold climate. London 2016 Conference on Climate Change: Science & Geoethics

researchgate.net : tinyurl.com/5x7yvsrj



SOLAR MAX CORRELATIVE DISEASE	SOLAR MIN CORRELATIVE DISEASE
Russian Plague	Bubonic Plague **(MIN)** [pbly. aerosol soot]
Bubonic Plague **(MAX)** [pbly. aerosol soot]	Cholera **(MIN)** [pbly. hydrochloride ion polarisation]
Dengue Fever [pbly. blood plasma]	Yellow Fever
Cholera **(MAX)** [pbly. hydrochloride ion polarisation]	Russian Flu [metallic ionic pbly. pollution]
Malaria [pbly. blood plasma]	Trypanosomiasis
Smallpox **(MAX)** [pbly. central nervous cerebellum]	Encephalitis Lethargica
Typhus [pbly. blood plasma]	Smallpox **(MAX)** [pbly. central nervous cerebellum]
Pneumonic Plague [pbly. lymphatic]	Meningitis [pbly. blood plasma]
American Polio [pbly. alkyne electro chemical]	Swine Flu [plasma waste transport]
Spanish Flu [metallic ionic pbly. pollution]	COVID-19 [sudden acute respiratory syndrome]
Poliomyelitus [pbly. blood plasma]	
Asian Flu [metallic ionic pbly. pollution]	
Hong Kong Flu [metallic ionic pbly. pollution]	
A.I.D.S. [acquired immunity deficiency syndrome]	
S.A.R.S. (sudden acute respiratory syndrome)	
M.E.R.S. (middle east respiratory syndrome)	
Ebola [pbly. blood plasma]	

Revealing the relationship between solar activity and COVID-19 and forecasting of possible future viruses using multi-step autoregression (MSAR)

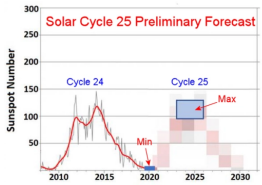
The plot of coincidence of the world great viral pandemics on monthly averaged sunspot number

link.springer.com/article/10.1007/s11356-021-13249-2

DOES EARTH WEEN ENERGY FROM THE SUN TO CHARGE AEROSOLS?

Suppose no sunspots are a magneto gravito iono negativo energy sooq'in from Earth to the Sun. 8D Will the Earth struggle for equilibrium? ROFL!! Fame! Fly High! Find out more www.asmrstudio.com

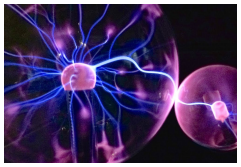
SOLAR EXTINCTION EVENTS ARE EVOLUTIONARY



spaceweatherarchive.com/2019/04/10/experts-predict-the-solar-cycle/

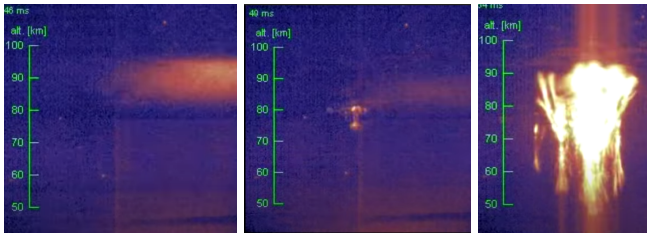
Evolutionary mutations border global extinctions. Plasmas in lizards morph into Birds. Pole reversals are rare in the geological record and nobody knows exactly what they look like in the sunspot record. Cycle 24 was half power. Comparable to 1969. Experts including Nasa predict another low capacity solar Maximum this upcoming 2025, solar cycle 25. Eeek!

ARGON, NITROGEN, HELIUM ARE **INERT** GASES



4th Matter State (IN'EARTH)

It's Possible the Earth Core is Plas-Magmatic. Ionic spheric glass, Inert gas silled. Carbon (Graphite ore). RF emitter. Cathode ray style. Below (1) Halo, (2) "Molten Drip" activity 40 KM from Halo impact (3) Sprite blast from thermosphere. **youtube.com/watch?v=IDiyIdCkdD0**



Sprite Halo, Aurora, Carrot Sprite @1000fps youtube.com/watch?v=ATmpgZoMRM0

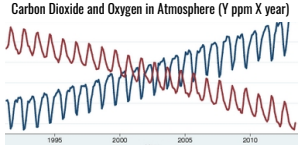
Nasa's Fermi says all storms burst gamma rays. Est 1,100 occur each day.

POTASSIUM DECAYS ARGON 40 RADIOGENIC. HELIUM MOST INERT (UM) SERUM AEROSOL?

DEPLETING OXYGEN ATMOSPHERIC LEVELS :

Solar plasma wind, "whurls" twisted pair Birkeland currents to the north and south poles. Ionized hydrogen (electrons and protons), 8% helium (alpha particles) and atomic nuclei: C (Ca), N (Nitrogen), O (Oxygen), Ne (Neon), Mg (Magnesium), Si (silicone), S (Sulfer), and Fe (Iron) ripped from active area sunspot corona (Feldman et al., 1998). SOHO traced elements P, Ti, Cr and Ni. **solar-center.stanford.edu/FAQ/Qsolwindcomp.html**

Carbon Dioxide and Oxygen in Atmosphere (Y ppm X year)

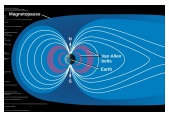


1992 trough 2013, Alert, Nu Avik, 82°N lat

Oxygen(O) decline against Carbon Dioxide (CO_2) rise

wernerantweiler.ca/blog.php?item=2015-06-01

MOON TO EARTH DISTANCE, SUN TO EARTH DISTANCE



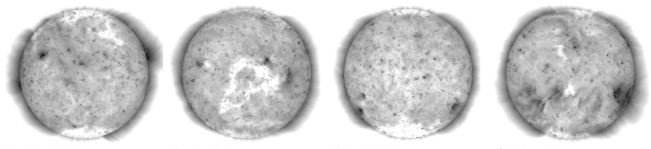
opentextbc.ca/astronomyopenstax/chapter/the-global-perspective/

The Earth and its atmosphere against the Sun's solar wind magnetic pressure in image left. Somedays you might see the moon close in the evening sky and far in the morning sky.

The Sun is sometimes close in the sky and farther away, the next day. Refracting light is deformed in concaving spherical atmospheres. Helium3 (3H) is found in solar wind.

CITY TV : SOLAR ECLIPSE : THURS JUNE 10th 2021 ctvnews.ca

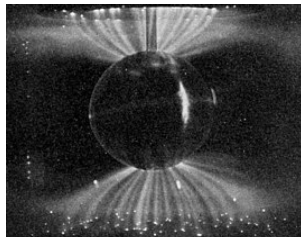
Perpendicular (pur' pul' dync cool lour : supposition) X Class Slayers during Luni-Solar Alignment. In the 5th Century Letter "F" began to replace the letter "S". FACT : britannca.ca



2018/01/01 2019/01/01 2020/01/01 2021/01/01

spaceweatherlive.com/en/archive/2019/01/01/coronal-holes.html

PLANTS : PLASMA : PLASTIC : PLASTER : PLATNIUM



Aurora Borealis and noctilucent clouds. Hydrogen magnetics combine with Oxygen's electrics. Ozone and H20. Most moon planets rain something. The Earth is twice the size it was +300M years ago. North and South poles extend to birkland twisted pair sils leading straight to the Sun. Lightning to Trees. Blood plasma is similar to Maple Syrup. Jolt! Fizz! Aging...

FOURTH OF JULY WEEKEND SAW HIGHEST NUMBER OF MASS SHOOTING THAN ANY OTHER WEEKEND IN 2021

ANCIENT WEREWOLVES AND LUNAR MAGNETIC EVENTS WERE REAL!

SOLAR MAGNETIC MADNESS HAPPENS AS DOES ANY DISEASE!

forbes.com/sites/roberthart/2021/07/06/fourth-of-july-weekend-saw-highest-number-of-mass-shootings-than-any-other-weekend-in-2021/?sh=25eafe54350d

Lecythis zabucajo (BRAZIL)

Selenium supplementation in the prevention of coronavirus infections (COVID-19) :

ENZYMATIC SCAVENGING OR SILK CONDUIT?

Selenium (Se) is a ubiquitous element akin to sulfur (S). Low Se is associated with increased incidence of cancer and heart diseases. Cofactor in glutathione peroxidase. Anti Viral. Inhibited the development of polio and influenza virus. Brazil nuts, seafoods, and organ meats are the richest food sources of selenium. **ncbi.nlm.nih.gov/pmc/articles/PMC7246001/**

SelenoMethionine and SelenoCysteine

Hydrogen and Oxygen scavenging methionine is a sulphur essential amino acid recycled in methylation pathways. Cysteine non essential amino acid helps collagen and keratin. Selenium is a trace nutrient that may show deficient signs as aluminum toxication. Selenium may detox aluminium.

Co Enzyme Q-10 Enzyme ($C_{59}H_{90}O_4$) and Selenium (Se)

Food Micrograms (mcg) per serving (Selenium Content)

Percent DV* Brazil nuts, 1 ounce (6–8 nuts)	544 mcg	989% DV
Tuna, yellowfin, cooked, dry heat, 3 ounces	92 mcg	167% DV
Halibut, cooked, dry Cottage cheese, 1% milkfat, 1 cup	20 mcg	36% DV
Rice, brown, long-grain, cooked, 1 cup	19 mcg	35% DV
Beef, ground, 25% fat, broiled, 3 ounces	18 mcg	33% DV
Egg, hard-boiled, 1 large	15 mcg	27% DV
Bread, whole-wheat, 1 slice	13 mcg	24% DV
Baked beans, canned, plain or vegetarian, 1 cup	13 mcg	24% DV
Oatmeal, regular and quick, unenriched, cooked with water, 1 cup	13 mcg	24% DV
Milk, 1% fat, 1 cup. OR Yogurt, plain, low fat, 1 cup	8 mcg	15% DV
Cashew nuts, dry roasted, 1 ounce	3 mcg	5% DV
Corn flakes, 1 cup	2 mcg	4% DV